

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Identity (As Used on Label and List)

PROPANE

*Note: Blank spaces are not permitted. If any item is not applicable, or
no information is available, the space must be marked to indicate that.*

SECTION 1

Supplier's Name

Bernz-O-matic

Emergency Telephone Number

585-798-4949

Address

Number, Street, City, State and ZIP Code

**One BernzOmatic Drive
Medina, NY 14103**

Telephone Number for Information

585-798-4949

Date Prepared

February 3, 2003

Signature of Preparer (Optional)

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components

*Specific Chemical Identity, Common Name(s)***PROPANE CAS #74-98-6**

OSHA PEL

1000PPM

ACGIH TLV

1000PPMOther Limits
Recommended**NA**

% (optional)

100

NFPA HAZARD RATINGS

Health -1**Flammability -4****Reactivity -0**

HMIS RATINGS

Health -0**Flammability -4****Reactivity -0**

**Note: When propane fuel is burned efficiently, the normal by-products of combustion are CO₂ and H₂O.
Inefficient burning may add CO to the by-products of combustion.**

SECTION III - Physical / Chemical Characteristics

Boiling Point

-44° FSpecific Gravity (H₂O - 1)**Liquid @ 60° F .51**

Vapor Pressure (mm Hg)

@ 100° F**197 psig**

Melting Point

N/A

Vapor Density (AIR=1)

@ 1 ATM @ 60° F**1.56**

Evaporation Rate

Butyl Acetate -1)

N/A

Solubility in Water

Not Soluble

Appearance and Odor

Colorless - Rotten Egg Odor**SECTION IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)

-156° F Closed Cup

Flammable Limits

LEL

2.1

UEL

9.5

Extinguishing Media

Stop flow of gas or oxygen

Special Fire Fighting Procedures

Use water to cool tanks

Unusual Fire and Explosion Hazards

**Auto Ignition temp. 842° F Heavier than air (vapor density 1.5).
May travel a considerable distance to a source of ignition and flashback.**

SECTION V - Reactivity DataStability → **Unstable****Stable X**

Conditions to Avoid

N/A

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

None

Hazardous

Polymerization →

May Occur**Will Not Occur X**

Conditions to Avoid

N/A

SECTION VI - Health Hazard Data

Routes of Entry →

Inhalation?

YES

Skin?

YES

Ingestion?

NO

Health Hazards (Acute and Chronic)

Contact with liquid propane may cause frost burns

Carcinogenicity →

NTP?

N/A

IARC Monographs?

N/A

OSHA Regulated?

N/A

Signs and Symptoms of Exposure

High concentrations may cause headaches and drowsiness.

Medical Conditions Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedures

Remove exposed person from contaminated area.

Warning

This fuel, and byproducts of combustion of this fuel, contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.

SECTION VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Remove ignition sources and ventilate area.

Waste Disposal Method

Vent gas to atmosphere in flame free, spark free area outdoors.

Precautions to be Taken in Handling and Storing

Store at temperatures below 120° F in well ventilated, spark free, flame free area.

Other Precautions

None

SECTION VIII - Control Measures

Respiratory Protection (Specify Type)

Not required with normal use.

Ventilation →

Local Exhaust

N/A

Mechanical (General)

N/A

Special

N/A

Other

N/A

Protective Gloves

Not required

Eye Protection

Not required

Other Protective Clothing or Equipment

Not required

Work / Hygienic Practices

N/A

SECTION IX - Shipping Information

WHMIS Classification: A - Compressed Gas & B1-Flammable Gas

Class: 2.1

DOT

Proper Shipping Name
Petroleum Gas, Liquefied

Hazard Classification
Flammable Gas

UN. No.
1075

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Identity (As Used on Label and List)

OXYGEN

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Supplier's Name

Bernz-O-matic

Emergency Telephone Number

585-798-4949

Address

Number, Street, City, State and ZIP Code

Telephone Number for Information

585-798-4949

Date Prepared

January 1, 2003**One BernzOmatic Drive
Medina, NY 14103**

Signature of Preparer (Optional)

Hazardous Components*Specific Chemical Identity, Common Name(s)***OXYGEN (gas) CAS NO. 7782-44-7**

OSHA PEL

N/A

ACGIH TLV

N/A

Other Limits

Recommended

N/A

% (optional)

100**NFPA HAZARD RATINGS**

Health -0

Flammability -0

Reactivity -0

Special Hazard -Oxy

HMIS RATINGS

Health -0

Flammability -0

Reactivity -0

Notes:**SECTION III - Physical / Chemical Characteristics**

Boiling Point

-297.3° FSpecific Gravity (H₂O - 1)**@ 70° F 1 ATM****1.1049**

Vapor Pressure (mm Hg)

N/A

Melting Point

N/A

Vapor Density (AIR=1)

0.08279

Evaporation Rate

Butyl Acetate -1)

N/A

Solubility in Water

0.0489 @ 32° F

Appearance and Odor

Odorless, Colorless Gas

Flash Point (Method Used)

Non-Flammable

Flammable Limits

LEL

N/A

UEL

N/A

Extinguishing Media

Stop flow of oxygen

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

Supports Combustion

Stability →

Unstable

Conditions to Avoid

Stable X**Avoid exposure to combustible products.**

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

None

Hazardous

Polymerization →

May Occur**Will Not Occur X**

Conditions to Avoid

N/A

Routes of Entry →	Inhalation? YES	Skin? YES	Ingestion? NO
Health Hazards (Acute and Chronic) Non toxic. Has tonic effect on humans.			
Carcinogenicity →	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
Signs and Symptoms of Exposure N/A			
Medical Conditions Generally Aggravated by Exposure N/A			
Emergency and First Aid Procedures N/A			
Warning This fuel, and byproducts of combustion of this fuel, contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.			
Steps to be Taken in Case Material is Released or Spilled N/A			
Waste Disposal Method Vent to atmosphere in flame free area.			
Precautions to be Taken in Handling and Storing Store at temperatures below 120° F away from highly combustible material.			
Other Precautions None			
Respiratory Protection (Specify Type) N/A			
Ventilation →	Local Exhaust N/A	Mechanical (General) N/A	Special N/A
Protective Gloves Not required		Eye Protection Not required	
Other Protective Clothing or Equipment Not required			
Work / Hygienic Practices N/A			
WHMIS Classification: CP - Consumer Product		Class: 2.2 Class A: Compressed Gas Class C: Oxidizing Material	
DOT	Proper Shipping Name Oxygen, Compressed	Hazard Classification Oxidizer, Non Flammable Gas*	UN. No. 1072

* May use single yellow diamond with word Oxygen and No. 2.